

**IN THE CLAIMS**

1. (Original) A solid-state image pickup device, characterized by comprising:  
a plurality of two-dimensionally-arranged photoelectric conversion elements;  
gate portions for reading out signal charges that are photoelectrically-converted by said plural photoelectric conversion elements;  
plural vertical transfer registers for transferring in the vertical direction the signal charges read out by said gate portions; and  
first transfer electrodes and second transfer electrodes to which driving voltages to transfer the signal charges of said vertical transfer registers are applied, wherein said first transfer electrodes are disposed in parallel to said vertical transfer registers, said second transfer electrodes are disposed vertically to said vertical transfer registers, said first transfer electrodes and said second transfer electrodes are provided so as to contain the upper side of said gate portions, and the signal charges which are photoelectrically-converted in said photoelectric conversion elements are read out to said vertical transfer registers by the driving voltages applied to both said first transfer electrodes and said second transfer electrodes, the first transfer electrode or the second transfer electrode at the gate portion side of each photoelectric conversion element and the sensor area of the photoelectric conversion element are formed to be adjacent to each other at a portion where the read-out of the signal charges to each vertical transfer register is carried out, and an offset area is formed between the transfer electrode at the gate portion side of each photoelectric conversion element and the sensor area of the photoelectric conversion element at a portion where the read-out of the signal charges to each vertical transfer register is not carried out.

2. (Original) The solid-state image pickup device as claimed in claim 1, wherein a second offset area is provided between said first transfer electrode and said second transfer electrode at the opposite side to said gate portion with respect to each photoelectric conversion element and said sensor area of said photoelectric conversion element.

3. (Original) The solid-state image pickup device as claimed in claim 1, wherein at the portions where the read-out of the signal charges to said vertical transfer registers is carried out,

said transfer electrodes at the gate portion side of each photoelectric conversion element are formed so as to extend to the sensor area side of the photoelectric conversion element.

4. (Original) The solid-state image pickup device as claimed in claim 1, wherein at the portions where the read-out of the signal charges to said vertical transfer registers is carried out, the sensor area of each photoelectric conversion element is formed so as to extend to the gate portion side.

5. (Cancelled)